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SEQUENCE LISTING

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<120> PEPTIDE INHIBITORS OF CELLULAR  
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<130> UC069.001A

<140> 09/782,816  
<141> 2001-02-14

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<220>  
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<222> 22  
<223> Xaa = Val or Leu

<223> The sequence is a Homo sapiens sequence when Xaa  
represents Leu and a Mus musculus sequence when  
Xaa represents Val.

<400> 1  
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1 5 10 15  
Lys Leu Thr Pro Val Xaa Leu  
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<212> PRT  
<213> Drosophila melanogaster

<400> 2  
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Gln Ser Tyr Asp Ala Val  
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<220>

<223> A sequence conserved among Homo sapiens and Mus  
musculus.

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<223> A sequence conserved among Homo sapiens and Mus  
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<220>

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Glu Leu Thr Thr  
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<210> 6

<211> 19  
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<220>

<223> A sequence conserved among Homo sapiens and Mus  
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<210> 9  
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<210> 12  
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<223> A sequence conserved among Homo sapiens and Mus  
musculus.

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<400> 13  
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<223> A sequence conserved among Homo sapiens and Mus  
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<400> 14

Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr  
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<210> 16  
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musculus.

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<210> 22  
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<223> A sequence conserved among Homo sapiens and Mus  
musculus.

<400> 22  
Ala Lys Gln Leu Ala Ala Leu  
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<210> 23  
<211> 6  
<212> PRT  
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<223> A sequence conserved among Homo sapiens and Mus  
musculus.

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<210> 24  
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musculus.

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<211> 4  
<212> PRT  
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<223> A sequence conserved among Homo sapiens and Mus  
musculus.

<400> 25  
Ala Lys Gln Leu  
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<210> 26  
<211> 22  
<212> PRT  
<213> Drosophila melanogaster

<400> 26  
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1 5 10 15  
Met Asn Glu Leu Leu Asn  
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<210> 27

<211> 21  
<212> PRT  
<213> Drosophila melanogaster

<400> 27  
Glu Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met  
1 5 10 15  
Asn Glu Leu Leu Asn  
20

<210> 28  
<211> 20  
<212> PRT  
<213> Drosophila melanogaster

<400> 28  
Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn  
1 5 10 15  
Glu Leu Leu Asn  
20

<210> 29  
<211> 19  
<212> PRT  
<213> Drosophila melanogaster

<400> 29  
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Leu Leu Asn

<210> 30  
<211> 18  
<212> PRT  
<213> Drosophila melanogaster

<400> 30  
Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu  
1 5 10 15  
Leu Asn

<210> 31  
<211> 17  
<212> PRT  
<213> Drosophila melanogaster

<400> 31  
Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu  
1 5 10 15  
Asn

<210> 32  
<211> 16  
<212> PRT  
<213> Drosophila melanogaster

<400> 32  
Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
1 5 10 15

<210> 33  
<211> 15  
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<213> Drosophila melanogaster

<400> 33  
Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
1 5 10 15

<210> 34  
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<400> 34  
Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<210> 35  
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<212> PRT  
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<400> 35  
Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<210> 36  
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<212> PRT  
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<400> 36  
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1 5 10

<210> 37  
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<213> Drosophila melanogaster

<400> 37  
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<210> 38  
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<212> PRT  
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<400> 38  
Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<210> 39  
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<400> 39  
Gln Ile Glu Met Asn Glu Leu Leu Asn  
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1 5

<210> 43  
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<212> PRT  
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<400> 43  
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<400> 44  
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<210> 47  
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<210> 49  
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Val Ala Thr Val Ile  
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<210> 50  
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<400> 50  
Val Ala Thr Val  
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musculus.

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Val Gln Glu Leu Thr Thr Glu Val Glu Lys Ile Lys Thr Thr Val Lys  
20 25 30  
Glu Ser Ala Thr Glu Glu Lys Leu Thr Pro Val Xaa Leu Ala Lys Gln  
35 40 45  
Leu Ala Ala Leu  
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<210> 52  
<211> 53  
<212> PRT  
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<400> 52  
Gly Glu Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu  
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Met Asn Glu Leu Leu Asn Glu Val Ala Ala Leu Gln Val Asp Arg Lys  
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35 40 45

Ile Ser Thr Ala Arg  
50

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<211> 406  
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<213> Homo sapiens

<400> 53  
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Pro Asp Val Tyr Glu Thr Ser Asp Leu Pro Glu Asp Asp Gln Ala Glu  
20 25 30  
Phe Asp Ala Phe Ala Gln Glu Leu Glu Glu Leu Thr Ser Thr Ser Val  
35 40 45  
Glu His Ile Ile Val Asn Pro Asn Ala Ala Tyr Asp Lys Phe Lys Asp  
50 55 60  
Lys Arg Val Gly Thr Lys Gly Leu Asp Phe Ser Asp Arg Ile Gly Lys  
65 70 75 80  
Thr Lys Arg Thr Gly Tyr Glu Ser Gly Glu Tyr Glu Met Leu Gly Glu  
85 90 95  
Gly Leu Gly Val Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu  
100 105 110  
His Glu Val Gln Glu Leu Thr Thr Glu Val Glu Lys Ile Lys Thr Thr  
115 120 125  
Val Lys Glu Ser Ala Thr Glu Glu Lys Leu Thr Pro Val Leu Leu Ala  
130 135 140  
Lys Gln Leu Ala Ala Leu Lys Gln Gln Leu Val Ala Ser His Leu Glu  
145 150 155 160  
Lys Leu Leu Gly Pro Asp Ala Ala Ile Asn Leu Thr Asp Pro Asp Gly  
165 170 175  
Ala Leu Ala Lys Arg Leu Leu Gln Leu Glu Ala Thr Lys Asn Ser  
180 185 190  
Lys Gly Gly Ser Gly Gly Lys Thr Thr Gly Thr Pro Pro Asp Ser Ser  
195 200 205  
Leu Val Thr Tyr Glu Leu His Ser Arg Pro Glu Gln Asp Lys Phe Ser  
210 215 220  
Gln Ala Ala Lys Val Ala Glu Leu Glu Lys Arg Leu Thr Glu Leu Glu  
225 230 235 240  
Thr Ala Val Arg Cys Asp Gln Asp Ala Gln Asn Pro Leu Ser Ala Gly  
245 250 255  
Leu Gln Gly Ala Cys Leu Met Glu Thr Val Glu Leu Leu Gln Ala Lys  
260 265 270  
Val Ser Ala Leu Asp Leu Ala Val Leu Asp Gln Val Glu Ala Arg Leu  
275 280 285  
Gln Ser Val Leu Gly Lys Val Asn Glu Ile Ala Lys His Lys Ala Ser  
290 295 300  
Val Glu Asp Ala Asp Thr Gln Ser Lys Val His Gln Leu Tyr Glu Thr  
305 310 315 320  
Ile Gln Arg Trp Ser Pro Ile Ala Ser Thr Leu Pro Glu Leu Val Gln  
325 330 335  
Arg Leu Val Thr Ile Lys Gln Leu His Glu Gln Ala Met Gln Phe Gly  
340 345 350  
Gln Leu Leu Thr His Leu Asp Thr Thr Gln Gln Met Ile Ala Asn Ser  
355 360 365  
Leu Lys Asp Asn Thr Thr Leu Leu Thr Gln Val Gln Thr Thr Met Arg

370 375 380  
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35 40 45  
Asn Pro Asn Ala Ala Tyr Asp Lys Phe Lys Asp Lys Arg Val Gly Thr  
50 55 60  
Lys Gly Leu Asp Phe Ser Asp Arg Ile Gly Lys Thr Lys Arg Thr Gly  
65 70 75 80  
Tyr Glu Ser Gly Asp Tyr Glu Met Leu Gly Glu Gly Leu Gly Val Lys  
85 90 95  
Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu  
100 105 110  
Leu Thr Thr Glu Val Glu Lys Ile Lys Thr Thr Val Lys Glu Ser Ala  
115 120 125  
Thr Glu Glu Lys Leu Thr Pro Val Val Leu Ala Lys Gln Leu Ala Ala  
130 135 140  
Leu Lys Gln Gln Leu Val Ala Ser His Leu Glu Lys Leu Leu Gly Pro  
145 150 155 160  
Asp Ala Ala Ile Asn Leu Ala Asp Pro Asp Gly Ala Leu Ala Lys Arg  
165 170 175  
Leu Leu Leu Gln Leu Glu Ala  
180

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<212> DNA  
<213> Drosophila melanogaster

<400> 55  
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cagacgcctg gaagtaagca ggtgaaagca ctcattagcc aggtggagga gttcaagcag 540  
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gccagtctag agcagcgaat ctcgcagctg gagaaggtgc tggcgctca gccgacaag 660  
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Ile Thr Thr Ser Leu Val Asn Asn Lys Glu Leu Leu His Ser Val Gln  
340 345 350  
Glu Thr Phe Ala Gln Asn Leu Glu Thr Ile Asn Ser Lys Val Ala Lys  
355 360 365  
Val Glu Gln Arg Val Ala Ala Ile Ser Ser Ala Lys  
370 375 380



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